

De Cordova Bend Dam and Lake Granbury

OWNER

The Brazos River Authority.

ENGINEER (Design)

Ambursen Engineering Corporation.

LOCATION

On the Brazos River in Hood County, 8 miles southeast of Granbury.

DRAINAGE AREA

24,691 square miles, of which 9,240 square miles is probably noncontributing.

DAM

Type	Ambursen-type concrete and earthfill
Length	2,200 ft
Height	84 ft
Top width	17 ft

SPILLWAY

Type	Gate-controlled ogee weir
Control	16 tainter gates, each 36 by 35 ft
Crest elevation	658.0 ft above msl
Length (net)	576 ft

OUTLET WORKS

Type	Concrete sluiceway
Invert elevation	640.0 and 652.0 ft above msl
Control	Sluice gates

POWER GENERATING FEATURES

No hydroelectric units will be installed. Water will be made available to Texas Power and Light Company for use in a thermal-electric generating plant.

STATE AUTHORIZATION

Permit No. 2111 (Application No. 2312), July 24, 1964, allows construction of a dam to create a reservoir with capacity of 155,000 acre-feet with annual diversion of 10,000 acre-feet of water for municipal use, 70,000 acre-feet of water for industrial use, and 20,000 acre-feet of water for irrigation.

RESERVOIR DATA (Based on survey by design engineers)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	706.5	—	—
Top of gates	693.0	153,500	8,700
Spillway crest	658.0	15,440	1,300
Streambed	622.5	—	—

GENERAL

Construction started	December 15, 1966
Dam completed	August 30, 1969
Impoundment of water began	September 15, 1969
General contractor	H. B. Zachry Company
Estimated cost of the dam	\$7,800,000

